

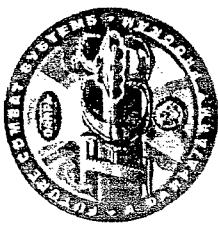
FCS IS

an integrated program of
innovations with
revolutionary requirements for:

- C4I
- Interoperability
- Lethality
- Survivability
- Mobility
- Deployability
- Manprint
- Supportability

DISTRIBUTION STATEMENT A:
Approved for Public Release
Distribution Unlimited

20060929055





SYSTEM GOALS

- C-130 transportable (<20 tons) (not tradable)
- 33-50% Decrease in logistics sustainment requirements
- 50% Decrease in fuel consumption
- 96 hours rapid response
- 5 days OPTEMPO operation without resupply
- 100 KPH burst speeds
- 60 KPH cross country speed-sustained

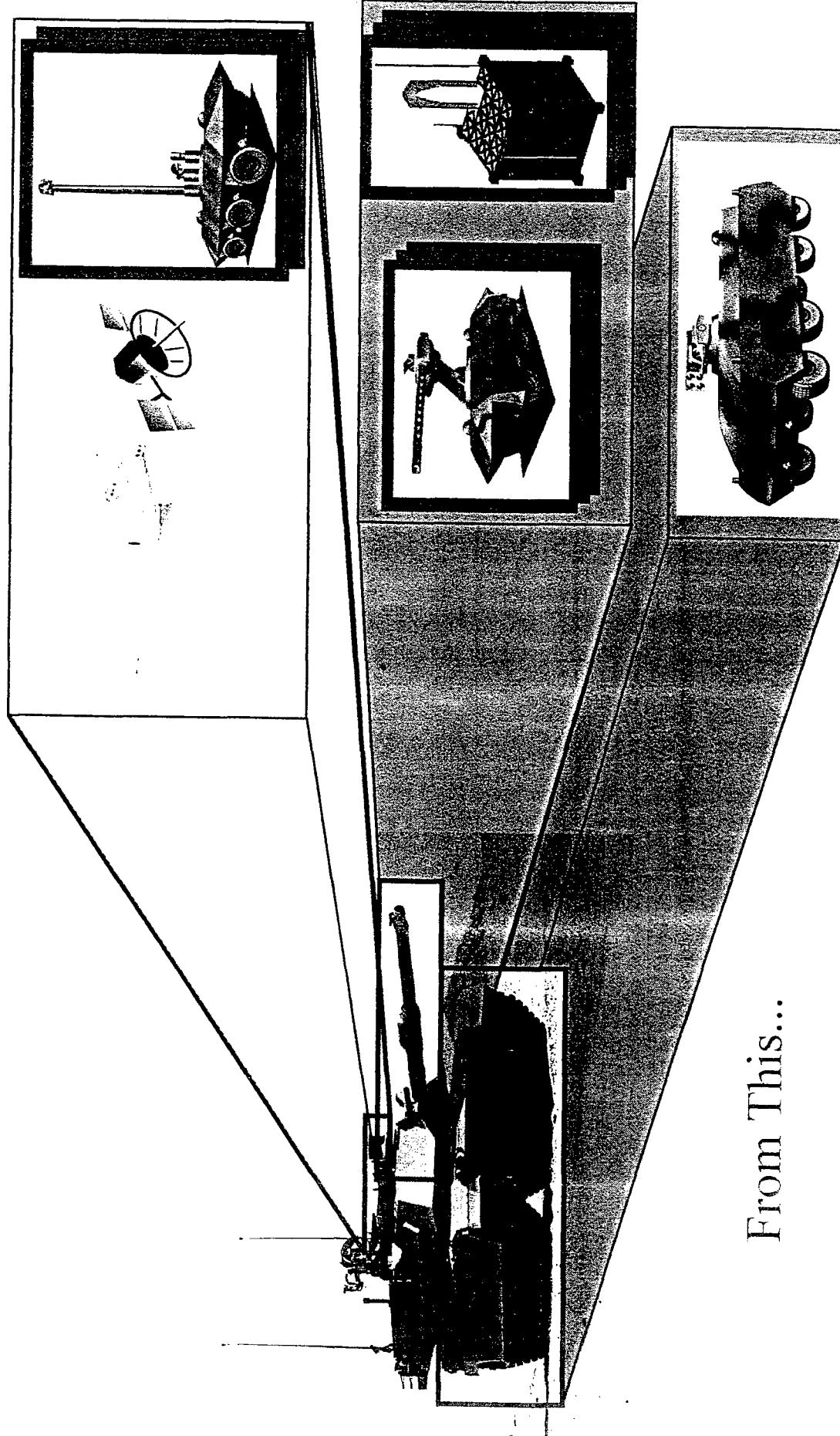


AND IN ADDITION....

- FCS should:
 - Have capability of surviving first round engagement
 - Be affordable
 - Maximize commonality
 - Have joint & international interoperability
 - Utilize embedded training & human factors considerations

Future Combat System Concept

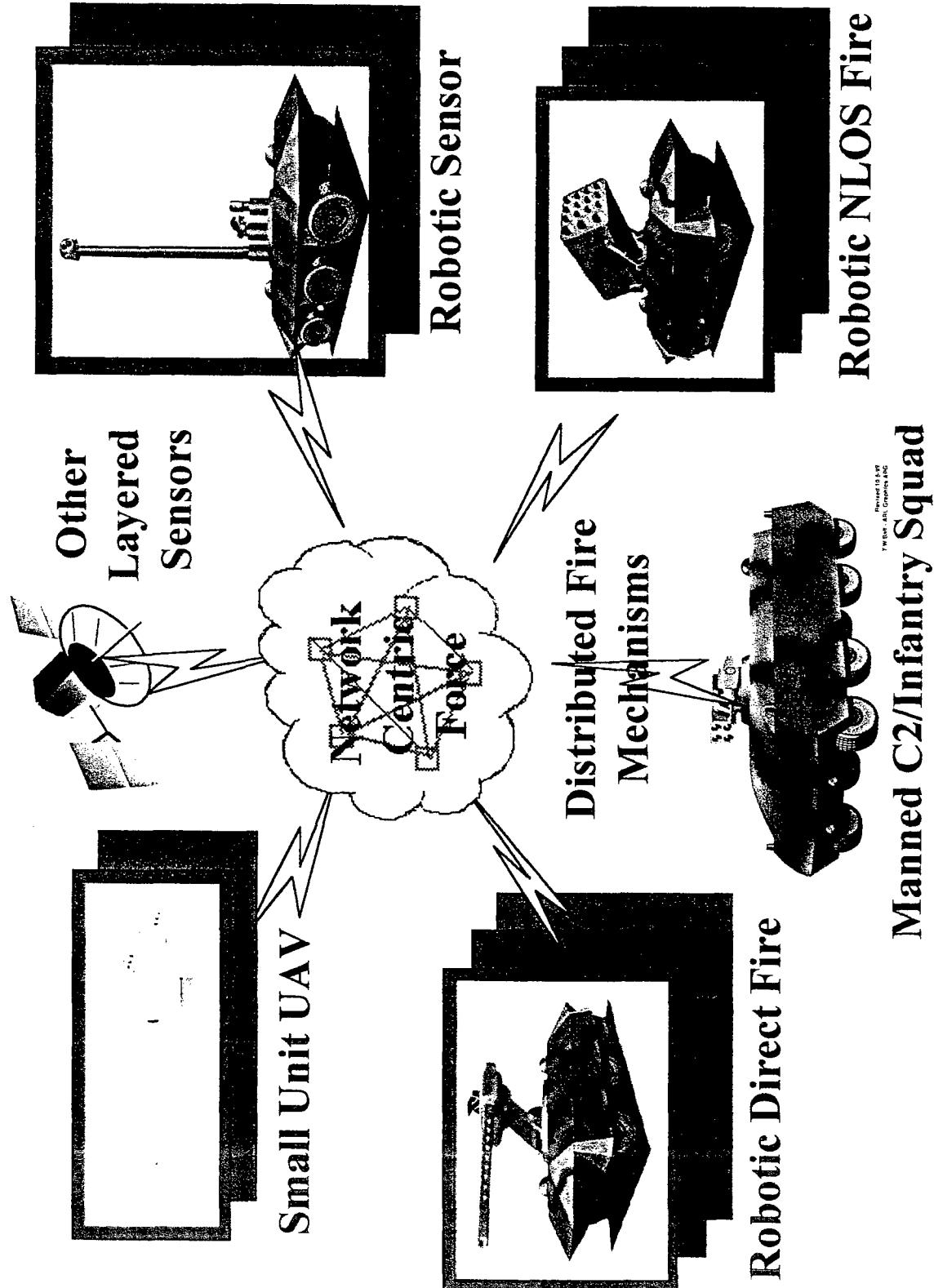
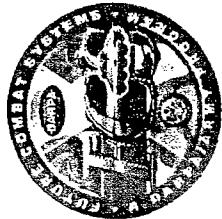
(Exploit Battlefield Non-linearities using Technology to Reduce
the Size of Platforms and the Force)



From This...

To This...

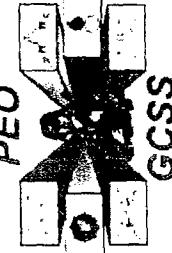
The Transform... Network Centric Distributed “Tank”



IBCT Capabilities

- Rapidly deployable
- Joint & Coalition interoperable
- Full spectrum
- Combat capable on arrival
- Precision, Internetted, Combined Arms fighting
- Decisive action through deliberate maneuver & Infantry assault
- Maintains freedom of maneuver by:
 - *High tactical mobility*
 - *Situational understanding*
- Force effectiveness in complex and urban terrain
- Increased deployability and decreased sustainment footprint
- Reach operations for Strategic, Joint, Combined intelligence, analysis, logistics as well as fires and effects
- Operational mobility via C-130

PEO



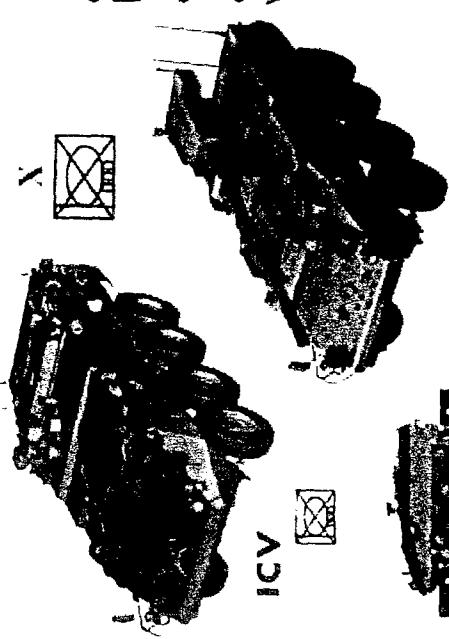
The Interim Armored Vehicle Family



Infantry Carrier Vehicle

(ICV)

- 8x8 Wheeled w/ Central Tire Inflation System & Run Flat
- High Hard Steel Structure
- Remote Weapon Station with cal .50 MG or MK19 40mm



Mobile Gun System

(MGS)

- Low Profile Turret
- M68A1 Cannon w/Autoloader
- Full Solution Fire Control

Brigade Configuration

	Qty Ea Bde	ORF	TDA	TOTAL
INFANTRY CARRIER VEHICLE	108	6	30	714
ANTI-TANK GUIDED MISSILES	9	1	15	75
MORTAR CARRIER VEHICLE	36	2	13	241
RECONNAISSANCE VEHICLE	48	3	12	318
FIRE SUPPORT VEHICLE	13	1	15	99
ENGINEER SQUAD VEHICLE	9	1	13	73
COMMANDER'S VEHICLE	39	1	12	252
MEDICAL EVACUATION VEHICLE	17	1	10	118
NBC RECONNAISSANCE VEHICLE	3	1	13	37
MOBILE GUN SYSTEM	27	4	18	204
IBCTs	309	21	151	
TOTAL IAV	1854	X6	126	2131

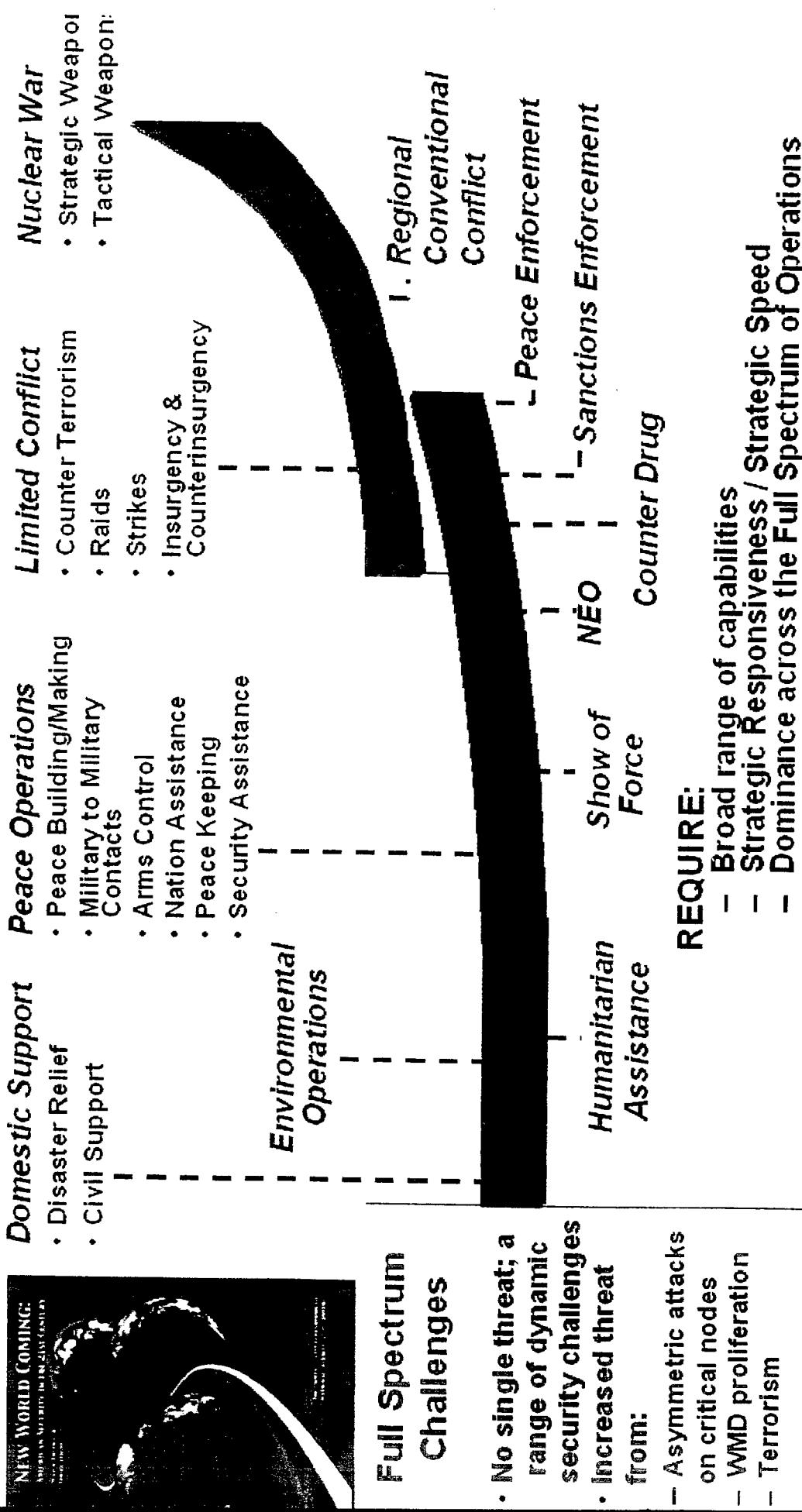
Vanguard For Army Transformation



PMBCT

21st Century Security Requirements

Spectrum of Operations



The Objective Force Must Be: Responsive, Deployable, Agile, Versatile, Lethal, Survivable, Sustainable

REQUIRE:

- Broad range of capabilities
- Strategic Responsiveness / Strategic Speed
- Dominance across the Full Spectrum of Operations

16210

OPSEC REVIEW CERTIFICATION

(AR 530-1, Operations Security)

I am aware that there is foreign intelligence interest in open source publications. I have sufficient technical expertise in the subject matter of this paper to make a determination that the net benefit of this public release outweighs any potential damage.

Reviewer: Douglas W. TEMPLETON GS-15 TL, Emerging Technologies
Name Grade Title
Douglas W. Templeton 02 Aug 01
Signature Date

Description of Information Reviewed:

Title: FCS Future Combat System ConceptAuthor/Originator(s): Jack ParksPublication/Presentation/Release Date: 7 Aug 2001Purpose of Release: Ground Vehicle Conference

An abstract, summary, or copy of the information reviewed is available for review.

viewer's Determination (check one)

 1. Unclassified Unlimited.

2. Unclassified Limited, Dissemination Restrictions IAW _____

3. Classified. Cannot be released, and requires classification and control at the level
of _____

Security Office (AMSTA-CM-XS):

Concur/Nonconcur

Ronald H. S.

Signature

7 Aug 01

Date

Public Affairs Office (AMSTA-CM-PI):

Concur/Nonconcur

Margaret Compton

Signature

Aug 3, 2001

Date